

The Clean Energy Design tool

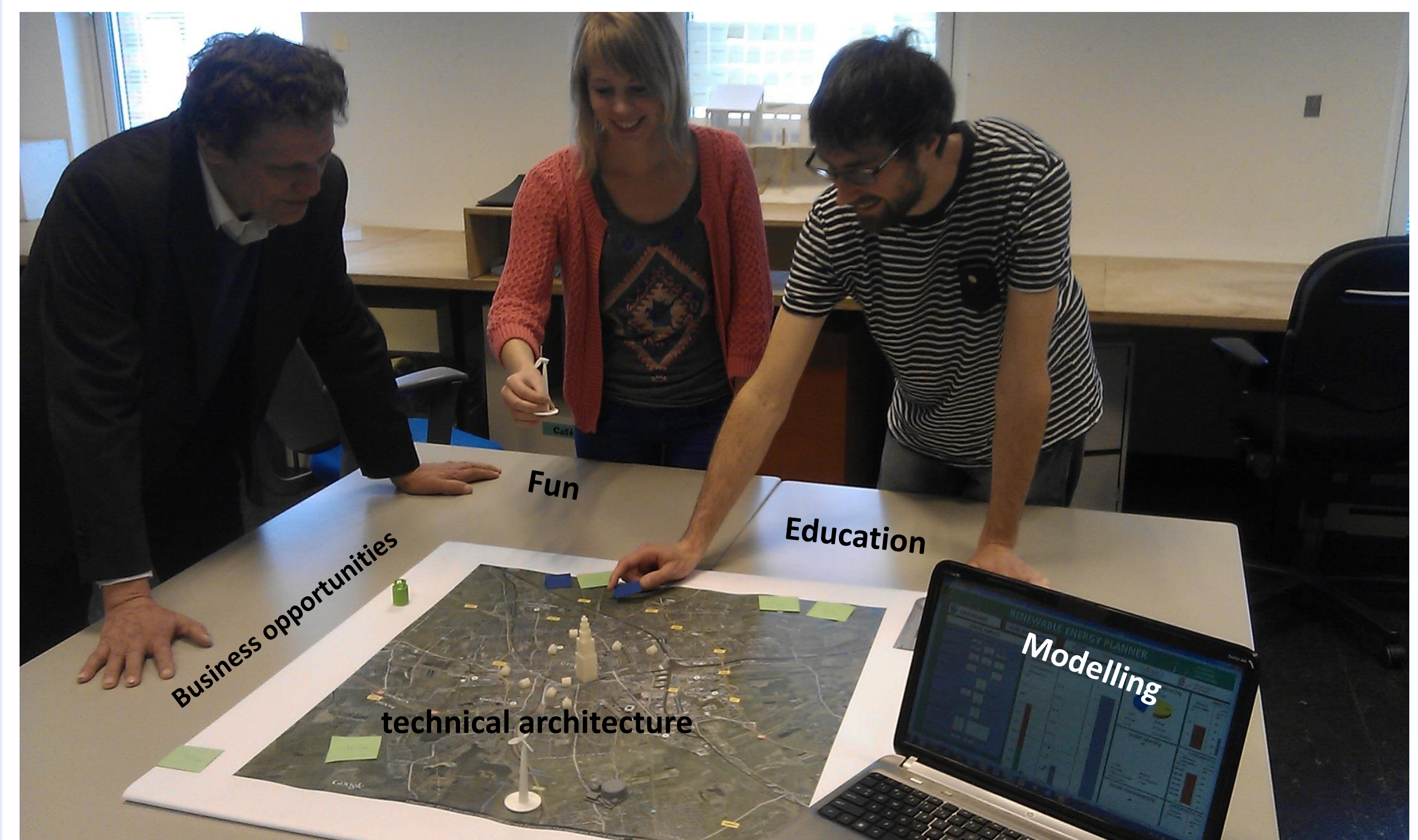
Design your own **local renewable** energy system as a **community**

Introduction

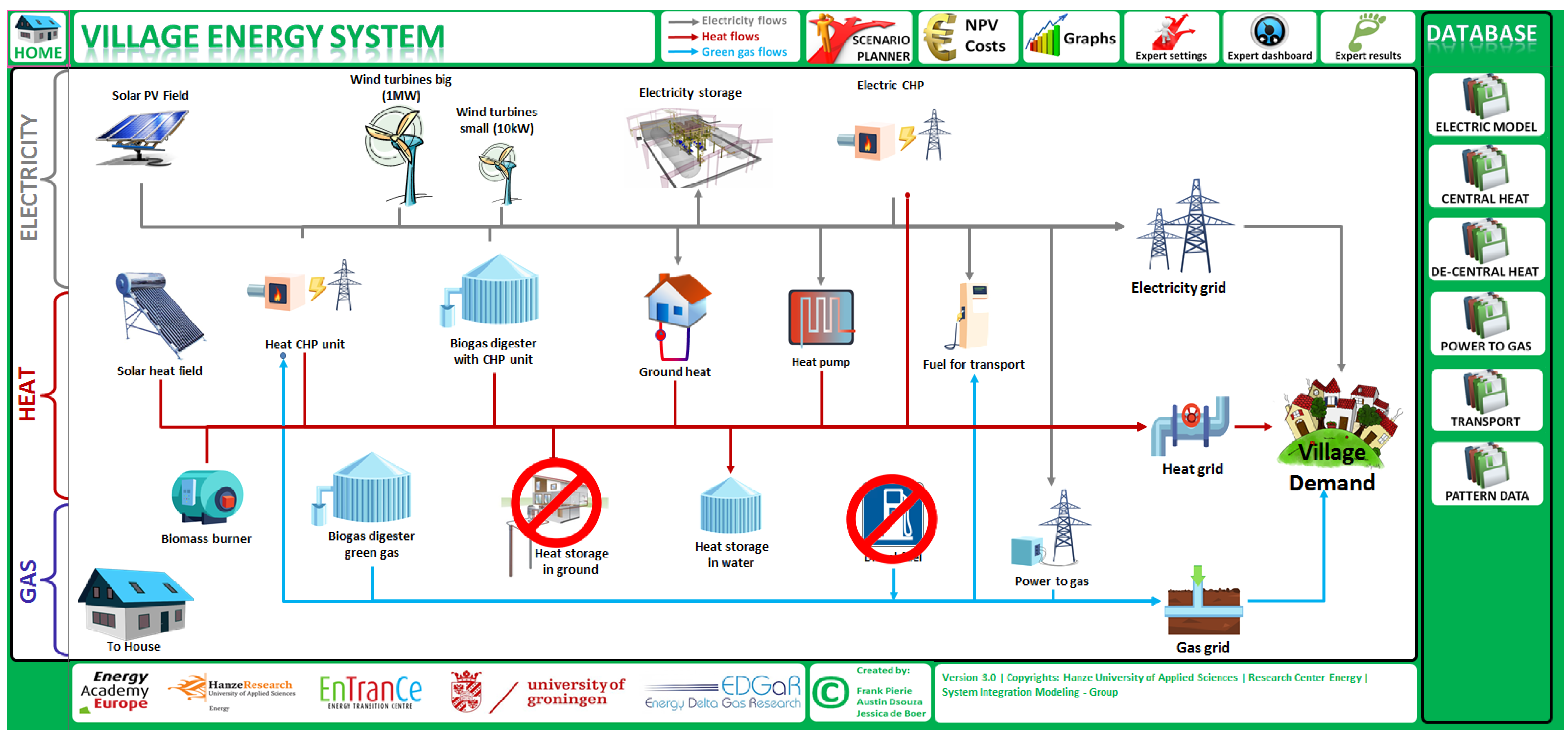
The goal of the stakeholder game is to help **communities** design their own local renewable energy systems and to **educate**. Participants can design their renewable energy system using an **fun** interactive stakeholder game. The interactive model used in the stakeholders game can help in:

- Understanding your existing energy system
- Defining social, environmental, and business goals and **security of supply**
- Design of **technical architecture** and **commercial business opportunities**
- Evaluate your design against social, environment, and business goals

The stakeholders platform



The model



Future developments

- Improve architecture model
- Validate model
- Include NPV
- Improve board interface
- Upgrade Excel file to web based

Biography

PhD. Researcher:

Frank Pierie MSc. B Eng



Currently, Frank is a PhD researcher at the Hanze University of Groningen. He graduated from the Hanze University with a B Eng. and holds a MSc. in energy and environmental sciences from the University of Groningen. He previously worked at Philips as a process engineer focused on sustainability.

PhD. Researcher:

Austin Dsouza MSc.



Austin Dsouza is a PhD. Researcher at the Hanze University of applied sciences. His research focuses on developing business-modelling methods for designing viable business models in the domain of decentralised energy systems. He holds a master's degree in business administration specialising in the area of business and ICT from the University of Groningen.